

CLAIMS

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1. A human powered drive mechanism comprising
a rotatable member, a supporting member, an endless
driving member extended around said rotatable member
and said supporting member, and a human powered drive
receiving portion mounted to said endless driving
member.

2. A human powered drive mechanism according
to Claim 1, wherein said supporting member is
rotatable.

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3. A human powered drive mechanism according
to Claim 1, wherein said endless driving member is
movable along a large curvature radius portion, first
and second small curvature radius portions, and said
endless driving member is extended around said
supporting member and said rotatable member at the
first and second small curvature radius portions.

~~4. A human powered drive mechanism according
to Claim 1, further comprising constraining means for
constraining rotation of said driving receiving
portion about a line included in a plane in which the
endless driving member moves.~~

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5. A human powered drive mechanism according to Claim 1, wherein said driving receiving portion is rotatable about an axis substantially perpendicular to a plane in which said endless driving member moves.

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6. A human powered drive mechanism comprising a first rotatable member, a first supporting member, a first endless driving member extended around said first rotatable member and said first supporting member, a second rotatable member, a second supporting member, a second endless driving member extended around said second rotatable member and said second supporting member, a first human powered drive receiving portion mounted to said first endless driving member and a second human powered drive receiving portion mounted to said second endless driving member, wherein said first rotatable member and second rotatable member are coaxial with each other and are fixed to each other by a shaft member, said shaft member comprising a third rotatable member between said first and second rotatable members.

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~~7. A human powered drive mechanism according to Claim 4, wherein said constraining means includes an arm having one end rotatably mounted to said driving receiving portion and a free crank having one end rotatably mounted to a frame and the other end~~

~~rotatably mounted to the other end of the arm.~~

sub 8. A human powered drive mechanism for a
human powered vehicle comprising a propulsion wheel, a
rotatable member, a supporting member an endless
driving member extended around said rotatable member
and said supporting member, and a human powered drive
receiving portion mounted to said endless driving
member, wherein said propulsion wheel is connected
with said rotatable member.

sub 9. A human powered drive mechanism according
to Claim 7, wherein a rotation axis of said free crank
is disposed outside an orbit formed by said endless
driving member.

10. A human powered drive mechanism
comprising a first rotatable member, a first
supporting member, a first endless driving member
extended around said first rotatable member and said
first supporting member, a second rotatable member, a
second supporting member, a second endless driving
member extended around said second rotatable member
and said second supporting member, a first human
powered drive receiving portion mounted to said first
endless driving member and a second human powered
drive receiving portion mounted to said second endless

driving member, wherein said first rotatable member and second rotatable member are coaxial with said propulsion wheel.

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11. A human powered drive mechanism according to Claim 8, wherein said human powered vehicle is a bicycle.

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12. A human powered drive mechanism according to Claim 8, wherein an inclination angle of a large curvature radius portion of said endless driving member relative to the ground is variable.

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13. A human powered drive mechanism according to Claim 4, wherein said endless driving member includes a plurality of links, and one of said links constitutes a driving force receiving link, wherein said driving force receiving link is provided with a shaft projected in a direction perpendicular to a plane in which said endless driving member moves, and said driving force receiving link is rotatably mounted to said constraining means through the shaft.

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14. A human powered drive mechanism according to Claim 13, wherein the shaft is integral with said driving force receiving link, and is rotatable relative to said constraining means.

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